

FIG. 1

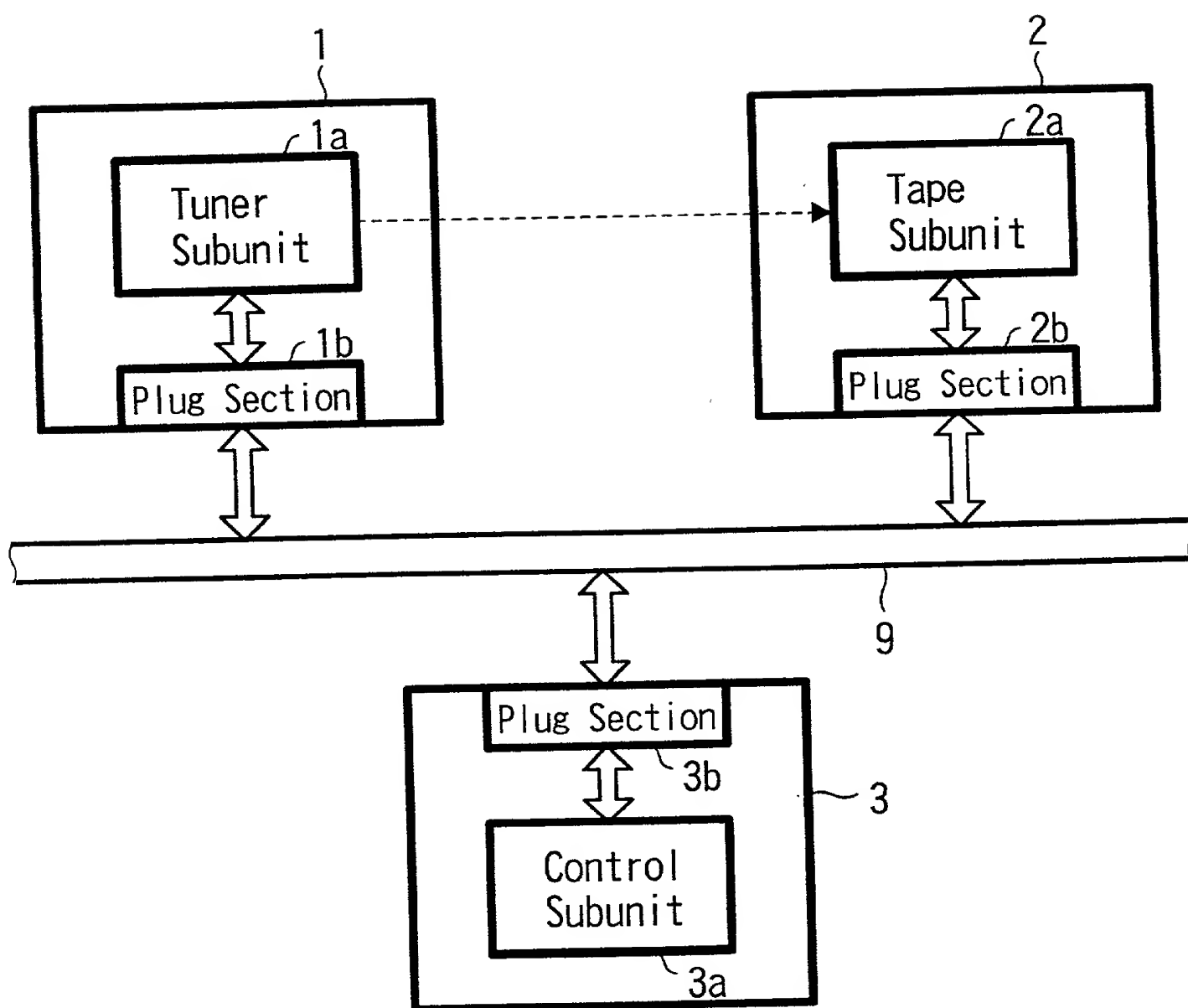


FIG. 2

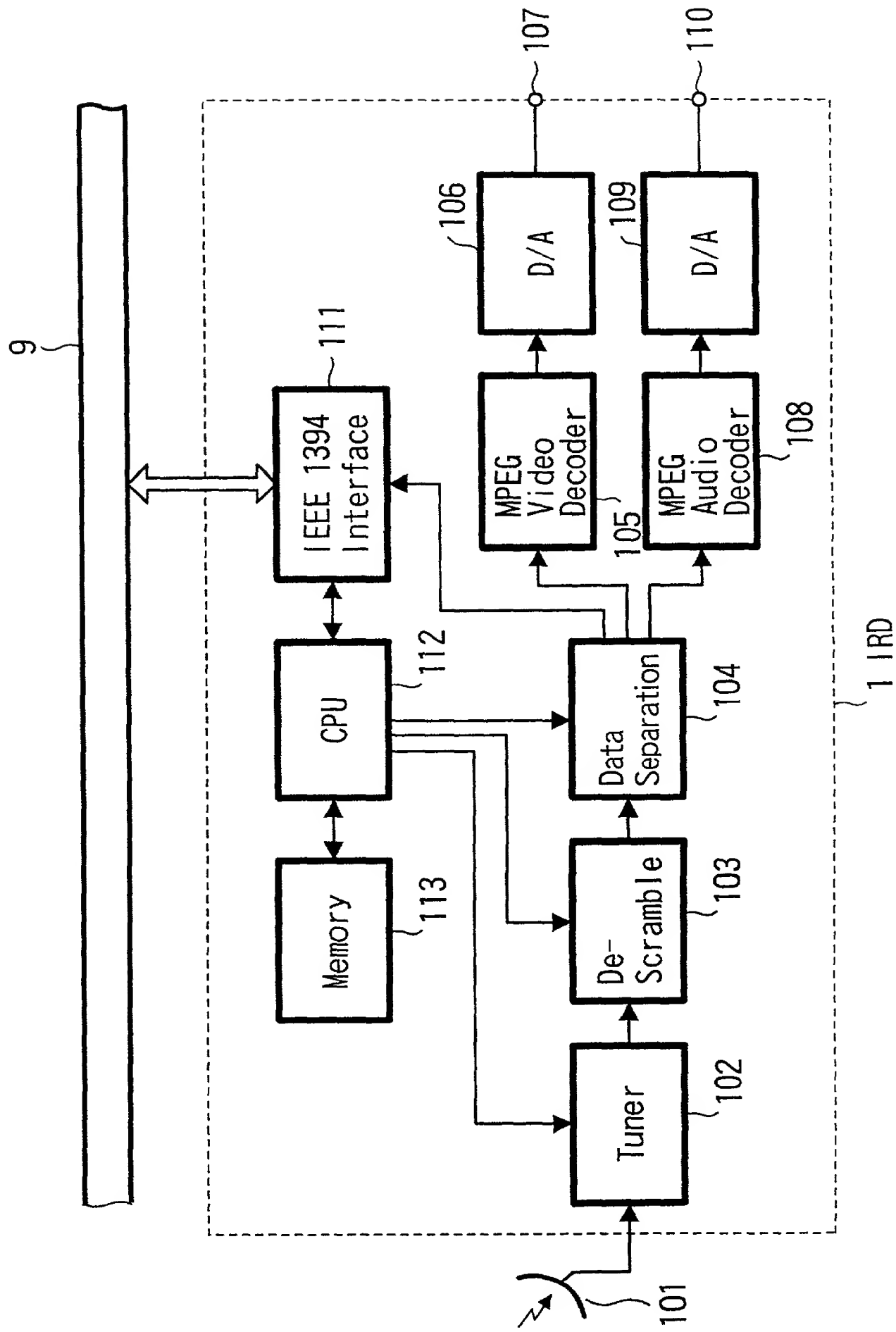


FIG. 3

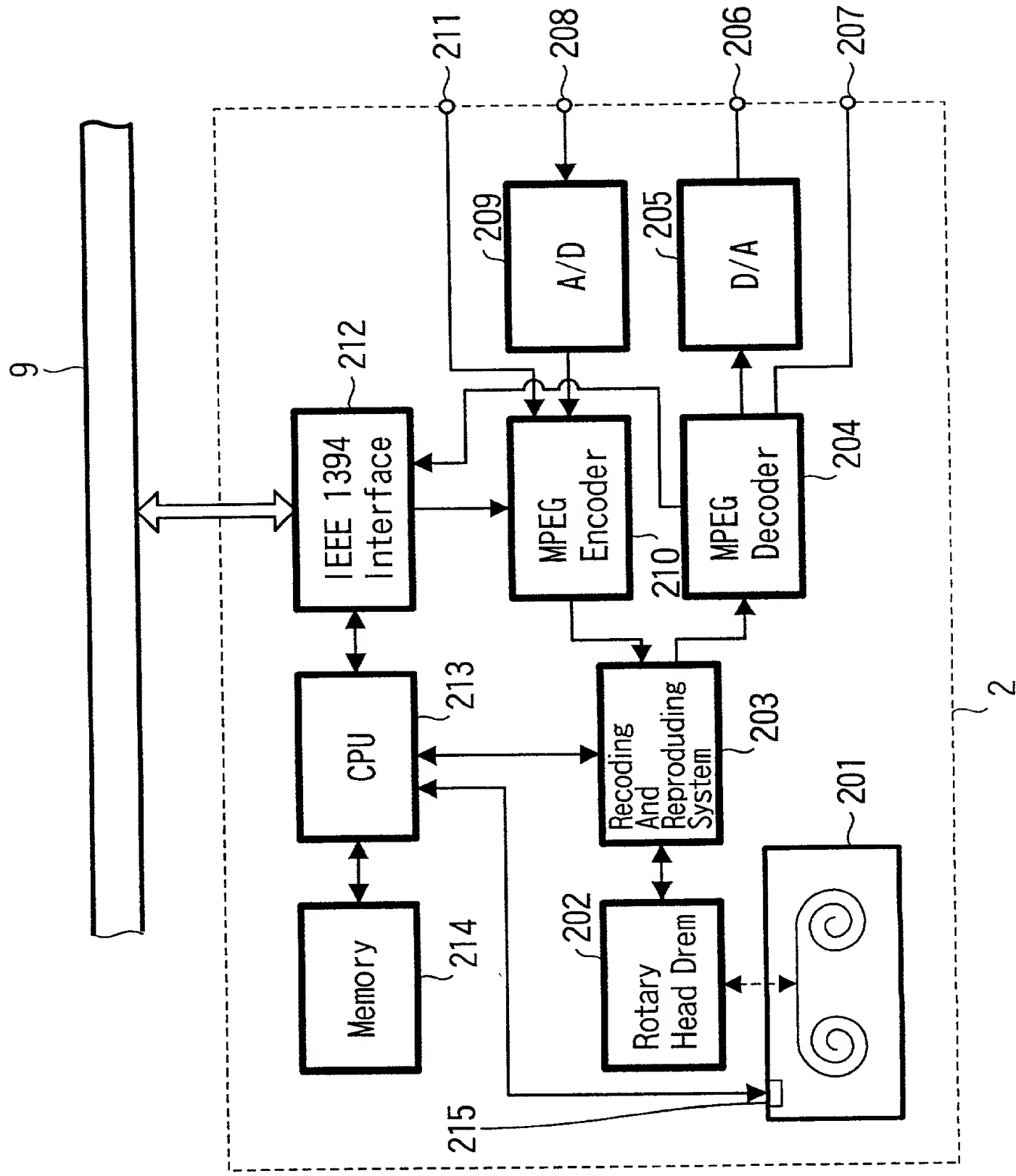


FIG. 4

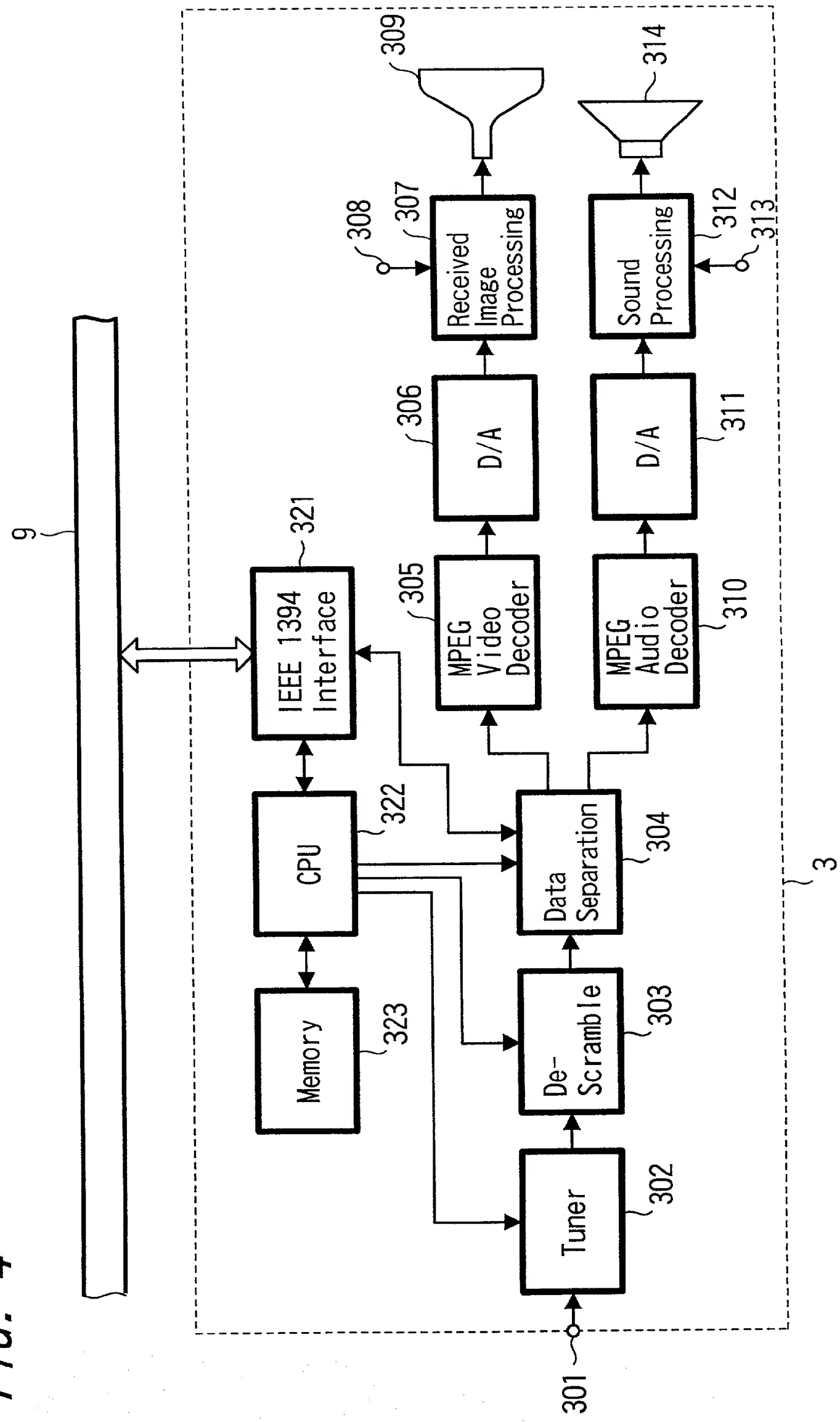


FIG. 5

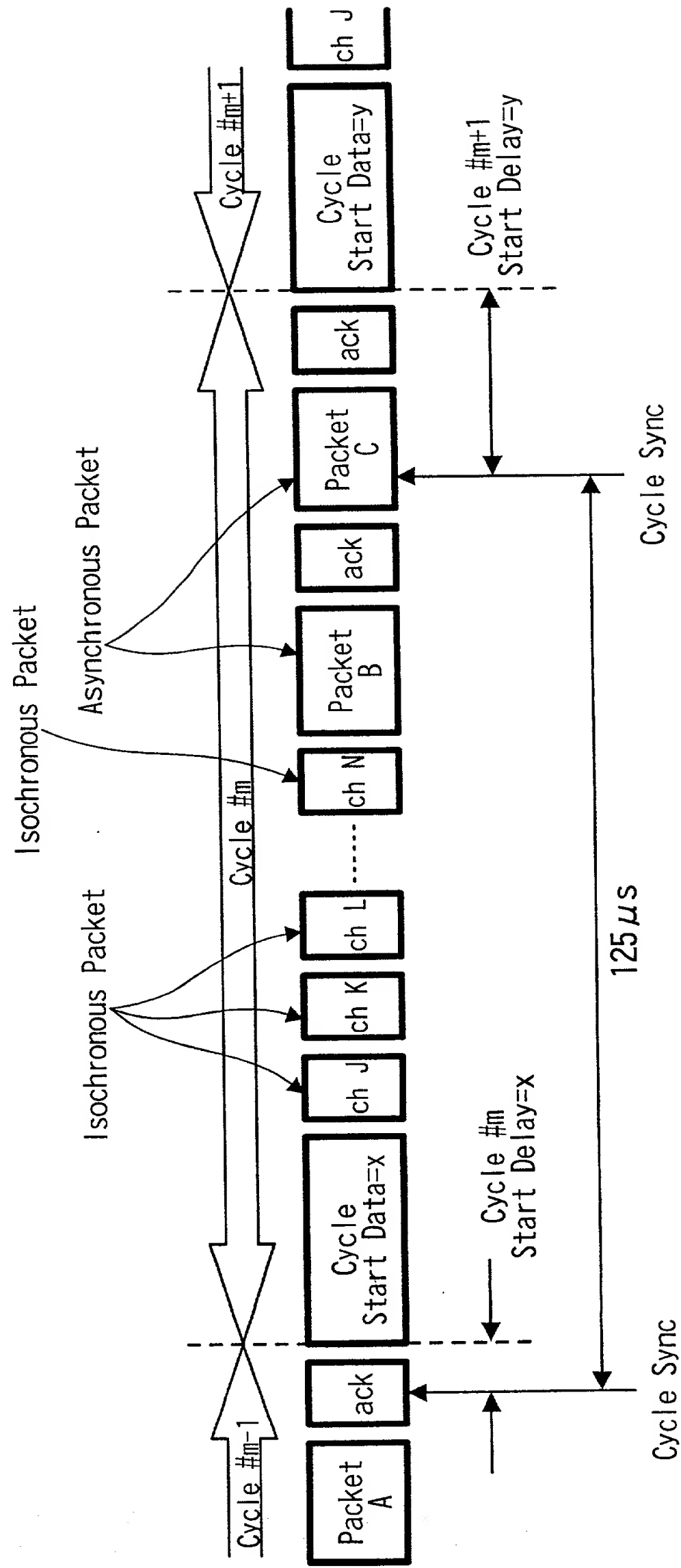


FIG. 6

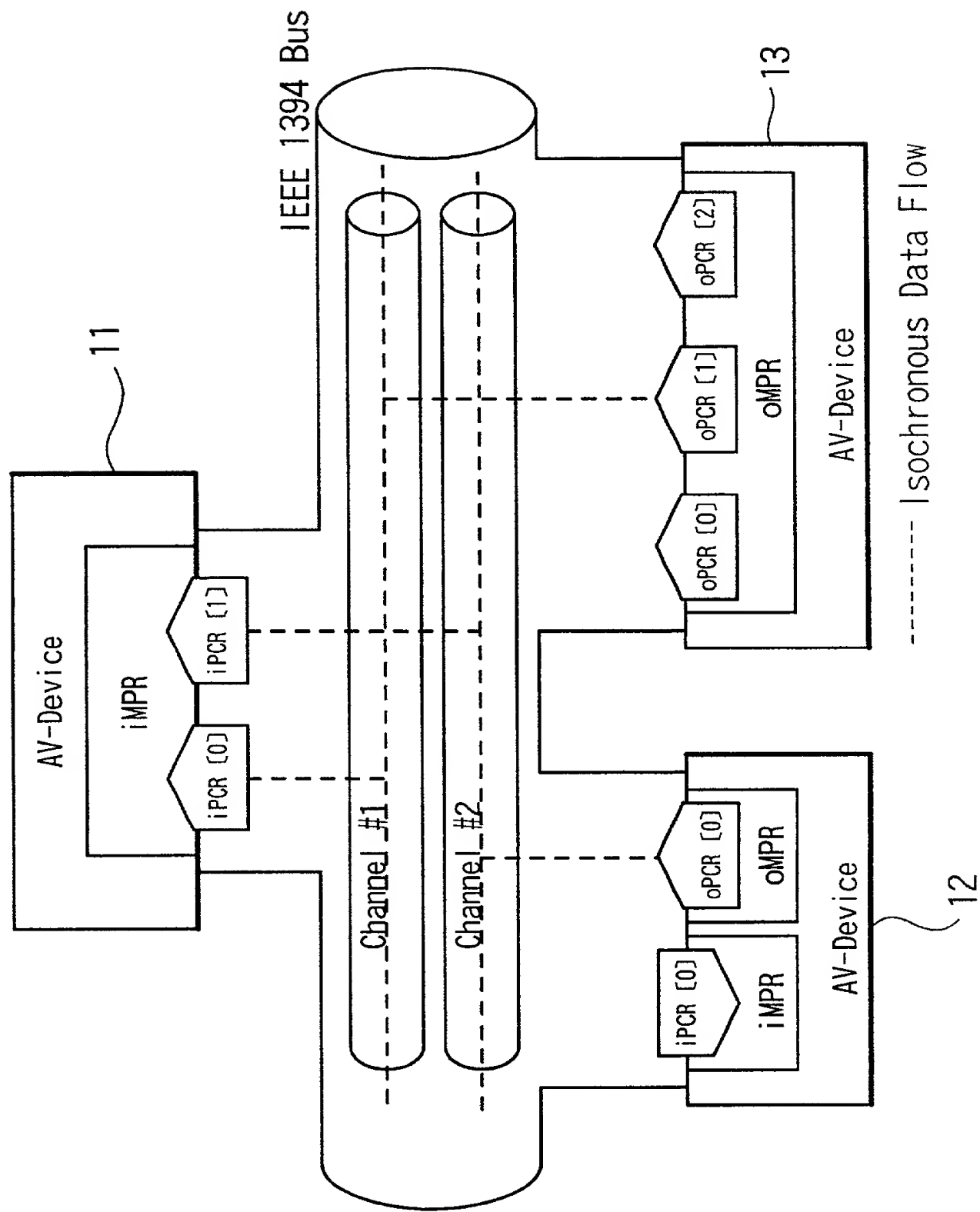


FIG. 7

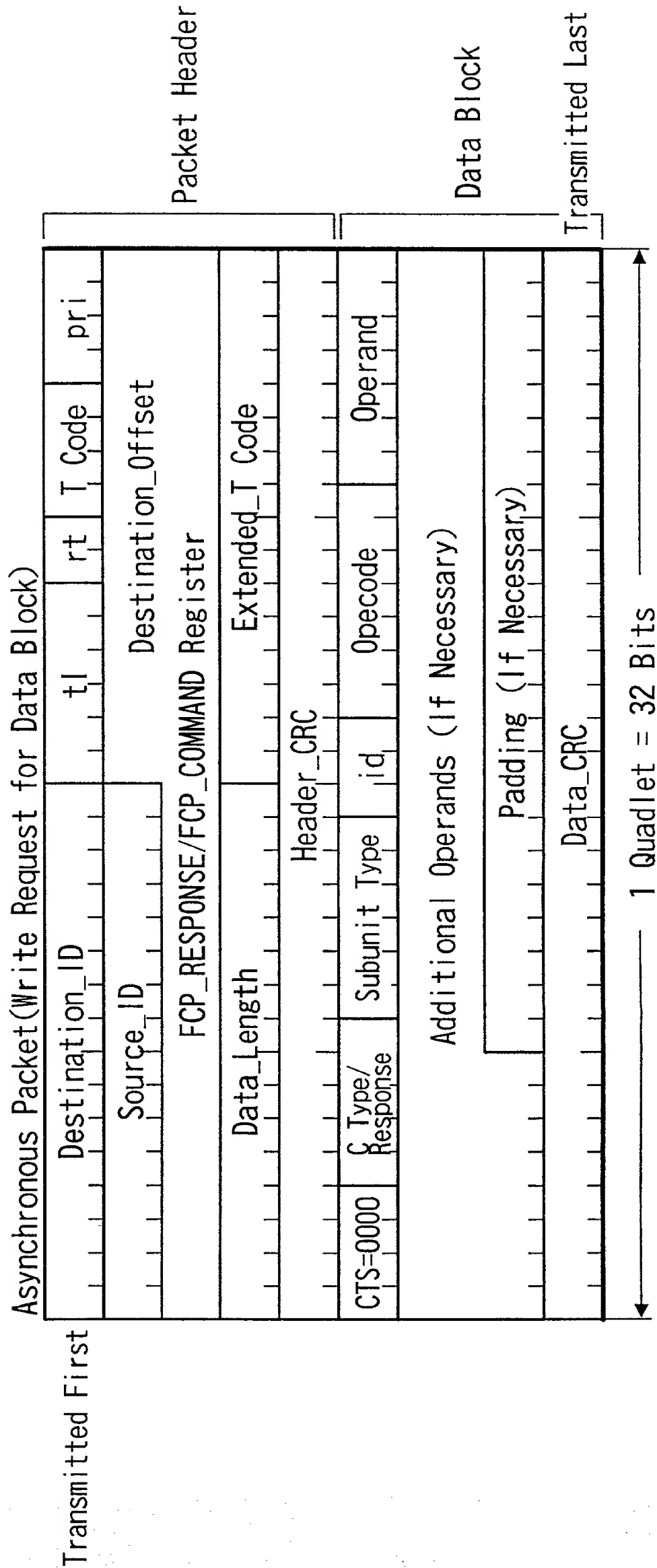


FIG. 8A

C Type/Response	
Command	0000 Control
	0001 Status
	0010 Specific Inquiry
	0011 Notify
	0100 General Inquiry
	0101 { (Reserved for Future Specification)
	0111
Response	1000 Not Implemented
	1001 Accepted
	1010 Rejected
	1011 In Transition
	1100 Implemented/Stable
	1101 Changed
	1110 (Reserved for Future Specification)
	1111 Interim

FIG. 8B

Subunit_Type	
00000 {	Video Monitor (Reserved)
00011	Disc Recorder/Player
00100	Tape Recorder/Player
00101	Tuner
00111 {	Video Camera (Reserved)
11100	Vendor Unique
11101	Reserved
11110	Subunit Type Extended to Next Byte
11111	Unit

FIG. 8C

Opcode: Operation Code	
00h	Vendor-Dependent
50h	Search Mode
51h	Time Code
52h	ATN
60h	Open MIC
61h	Read MIC
62h	Write MIC
C1h	Load Medium
C2h	Record
C3h	Play
C4h	Wind
{	}



**FIG. 9**

	msb							lsb
Opcode	Input Select (1B6)							
Operand[0]	Subfunction							
Operand[1]	Reserved				F16			
Operand[2]	Node_ID							
Operand[3]								
Operand[4]	Output_Plug							
Operand[5]	Input_Plug							
Operand[6]	Signal_Destination_Subunit_Type				Signal_Destination_Subunit_ID			
Operand[7]	Signal_Destination_Plug							
Operand[8]	Reserved							

**FIG. 10**

Value	Subfunction	Meaning
0 <sub>16</sub>	Connect	Establish Connection with Output Device
1 <sub>16</sub>	Path Change	Conduct Path Change When Device Selection Is Conducted
2 <sub>16</sub>	Select	Conduct Device Selection, But Do Not Establish Connection
3 <sub>16</sub>	Disconnect	Disconnect Connection

**FIG. 11**

Value	Output_Plug
00 <sub>16</sub> -1E <sub>16</sub>	Serial Bus oPCR[0]-oPCR[30]
1F <sub>16</sub> -7F <sub>16</sub>	Reserved
80 <sub>16</sub> -9E <sub>16</sub>	External Output Plug 0-30
9F <sub>16</sub> -FF <sub>16</sub>	Reserved

**FIG. 12**

Value	Signal_Destination_Plug
00 <sub>16</sub> -1E <sub>16</sub>	Serial Bus iPCR[0]-iPCR[30]
1F <sub>16</sub> -7E <sub>16</sub>	Reserved
7F <sub>16</sub>	Any Available Serial Plug iPCR[x]
80 <sub>16</sub> -9E <sub>16</sub>	External Input Plug 0-30
9F <sub>16</sub> -FE <sub>16</sub>	Reserved
FF <sub>16</sub>	Any Available External Input Plug

Figure 1 displays 12 histograms showing the distribution of the number of non-zero elements in the vector  $x$  for different values of  $n$  (from 1 to 12). The histograms are arranged in a 4x3 grid. The x-axis for all plots is 'Number of non-zero elements' ranging from 0 to 12. The y-axis is 'Frequency' ranging from 0 to 10. The distributions are centered around 6 non-zero elements, with the peak frequency increasing as  $n$  increases.

Value	Signal_Destination_Plug
00 <sub>16</sub> –1E <sub>16</sub>	Destination Plug 0–30
1F <sub>16</sub> –FE <sub>16</sub>	Reserved
FF <sub>16</sub>	Any Available Destination Plug

**FIG. 14**

	msb						lsb
Opcode	Input Select (1B16)						
Operand[0]	Subfunction						
Operand[1]	Reserved				Result_Status		
Operand[2]	Node_ID						
Operand[3]							
Operand[4]	Output_Plug						
Operand[5]	Input_Plug						
Operand[6]	Signal_Destination						
Operand[7]							
Operand[8]	Reserved						

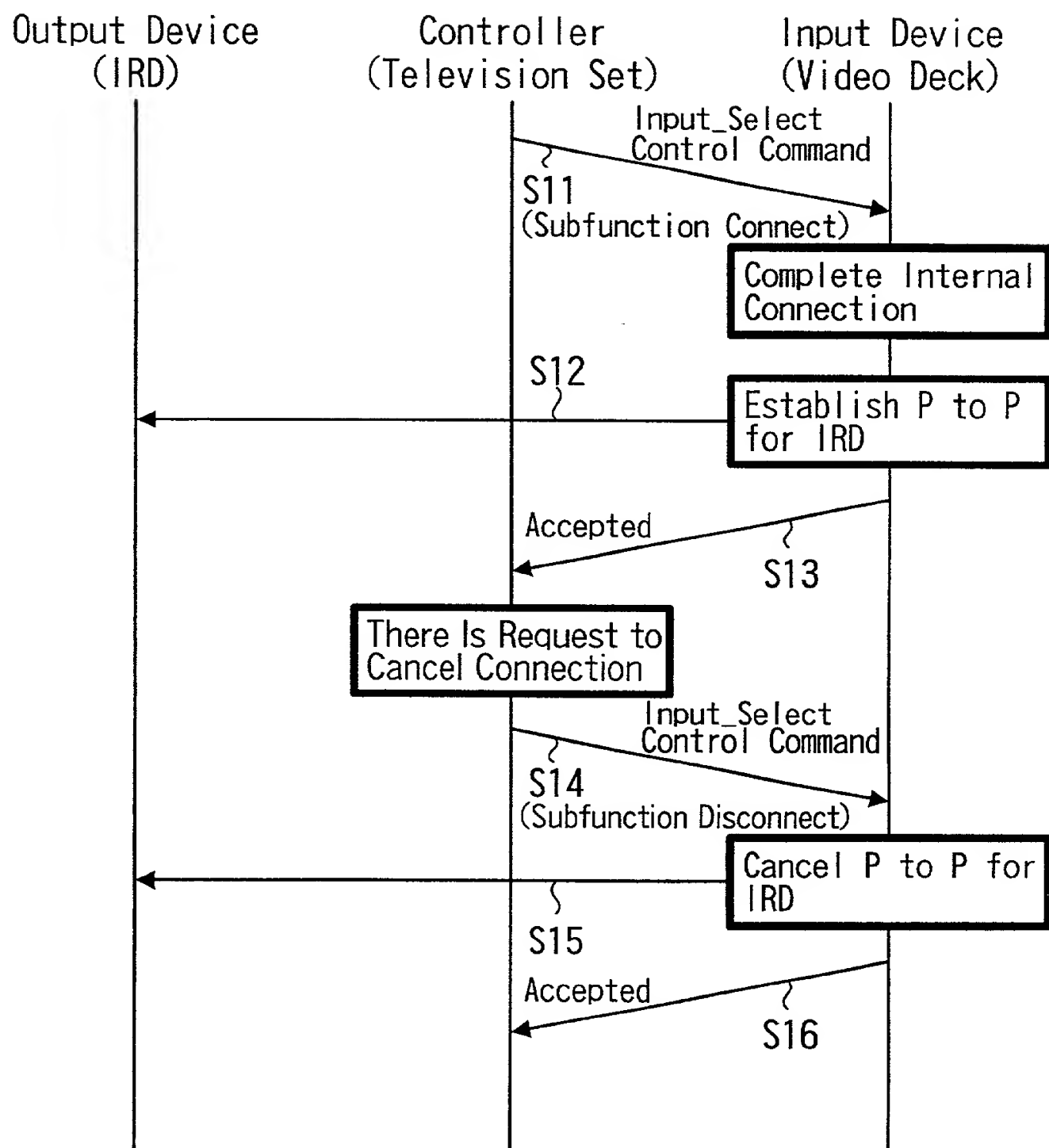
**FIG. 15**

Value	Result_Status	Return
0 <sub>16</sub>	No Error	Accepted
1 <sub>16</sub>	Ready	Accepted
2 <sub>16</sub>	Disabled	Rejected
3 <sub>16</sub>	Locked	Rejected
4 <sub>16</sub>	P-to-P(Not Owner)	Rejected
5 <sub>16</sub>	Insufficient Resource	Rejected
6 <sub>16</sub>	Source Not Found	Rejected
7 <sub>16</sub>	Not Selected	Rejected
8 <sub>16</sub>	Not Registered	Rejected
9 <sub>16</sub> ~C <sub>16</sub>	Reserved	
D <sub>16</sub>	Any Other Reason	Rejected
E <sub>16</sub>	No Information	Interim
F <sub>16</sub>	Busy	Interim

**FIG. 16**

Value	Input_Plug
00 <sub>16</sub> -1E <sub>16</sub>	Serial Bus Plug Zero-30
1F <sub>16</sub> -7F <sub>16</sub>	Reserved for Future Specification
80 <sub>16</sub> -9E <sub>16</sub>	External Plug Zero-30
9F <sub>16</sub> -FE <sub>16</sub>	Reserved for Future Specification
FF <sub>16</sub>	(Not Applicable for Accepted Response)

FIG. 17



*FIG. 18*

